

Serial No.: 09/938,714

REMARKS

Applicant conducted a Telephone Interview with the Examiner regarding the submission of Exhibits A and B in response to the Official Action filed on November 16, 2005. The Examiner was unable to read the Exhibits and suggested to divide the Exhibits into 8.5 x 11 pages. Attached is Exhibit B. Please note the Exhibit can be pieced together by referring to the attached grid. Exhibit A is being submitted in a separate transmission in order to prevent the pages of the Exhibits from being intermingled.

By submission of the 8.5 x 11 copies of Exhibit B, applicant respectfully submits that Amendment B is fully responsive to the Official Action dated March 1, 2005. Further, applicant respectfully requests reconsideration of Amendment B.

CONCLUSION

In light of the above amendments and remarks, it is respectfully submitted that the present application is now in proper condition for allowance, and such action is earnestly solicited.

If any small matter should remain outstanding after the Patent Examiner has had an opportunity to review the above Remarks, the Patent Examiner is respectfully requested to telephone the undersigned patent attorney in order to resolve these matters and avoid the issuance of another Official Action.

Serial No.: 09/938,714

DEPOSIT ACCOUNT

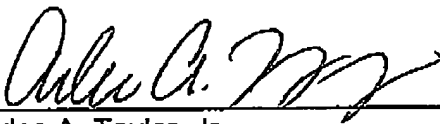
The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: December 15, 2005

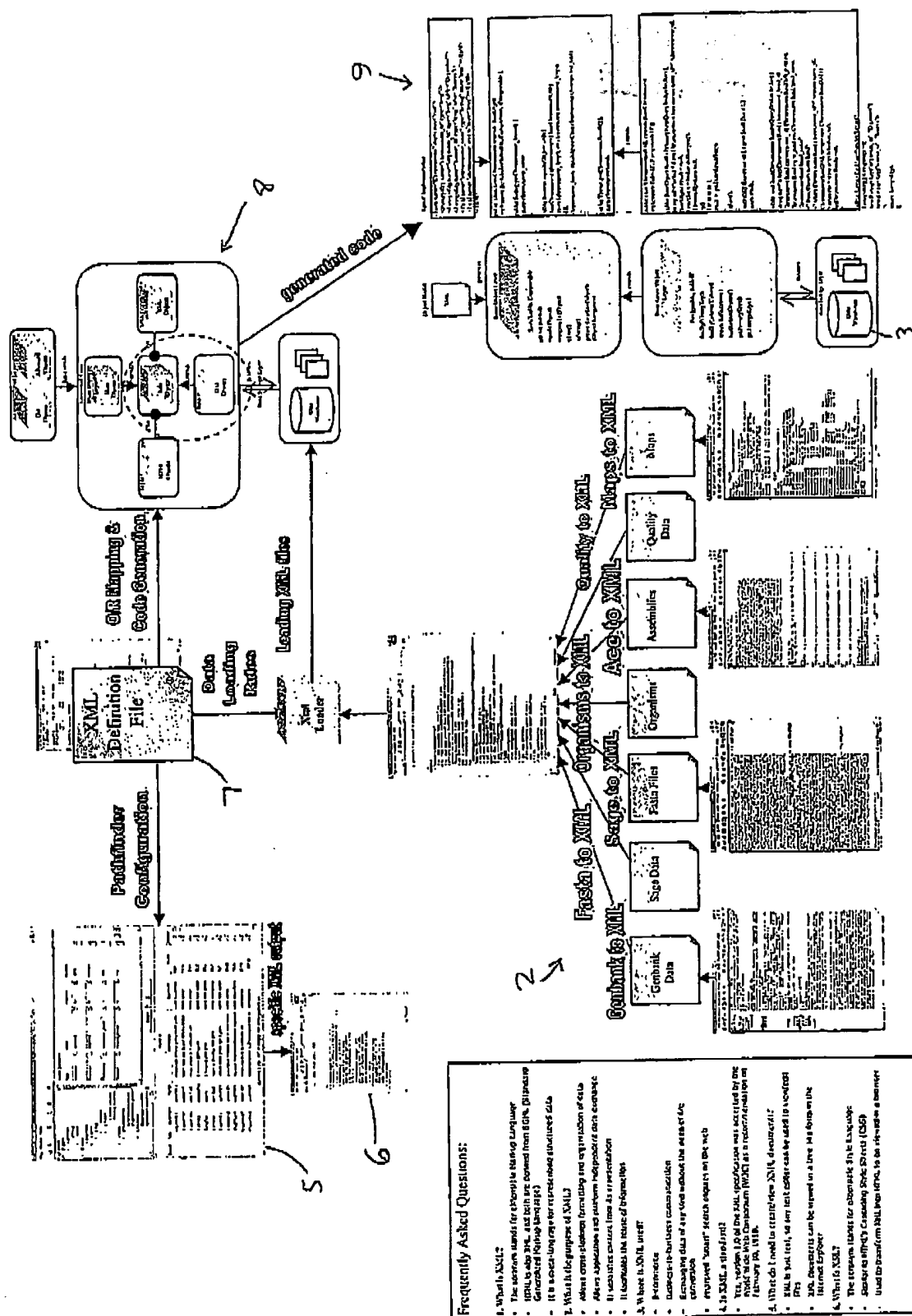
By:


Arles A. Taylor, Jr.
Registration No. 39,395
Customer No. 25297

AAT/BJO/alb

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Exhibit B



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PM JENKINS, WILSON & TAYLOR

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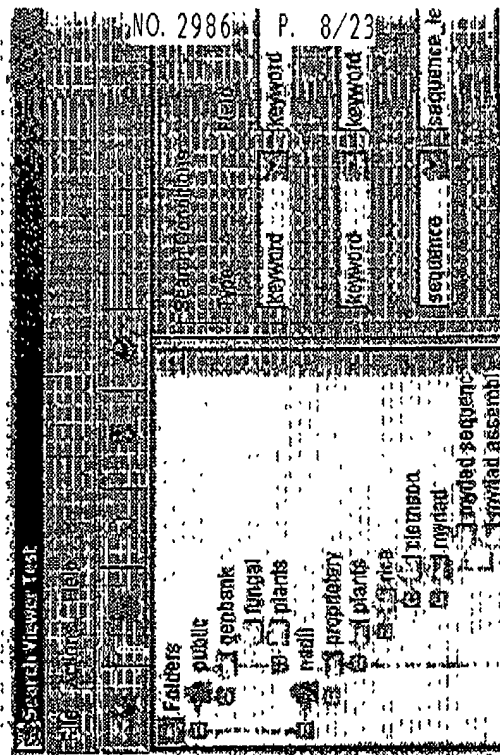
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Frequently Asked Questions:

1. What is XML?

- The acronym stands for eXtensible Markup Language
- HTML is also XML, and both are derived from SGML (Standard Generalized Markup Language)
- It is a meta-language for representing structured data

2. What is the purpose of XML?

- Allows cross-platform formatting and organization of data
- Allows application and platform independent data exchange
- It separates content from its representation
- It facilitates the reuse of information

3. Where is XML used?

- E-commerce

A3

• Business-to-business communication

- Exchanging data of any kind without the need of file conversion
- Improved "smart" search engines on the web

4. Is XML a standard?

- Yes, version 1.0 of the XML specification was accepted by the World Wide Web Consortium (W3C) as a recommendation on February 10, 1998.

5. What do I need to create/view XML documents?

- XML is just text, so any text editor can be used to view/edit files
- XML documents can be viewed in a tree-like form in the Internet Explorer

6. What is XSL?

- The acronym stands for eXtensible Style Language
- Similar to HTML's Cascading Style Sheets (CSS)
- Used to transform XML into HTML to be viewed in a browser

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XML

B1

File

Xml
Loader

Configuration

some more plants	some plants	some plants	some more plants	some more plants	some more plants	some plants	some more plants	some plants	some plants
362	1426	2651	2632	2652	2627	887	6902	1520	5176
									150513

ific XML output

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JENKINS, WILSON&TAYLOR

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```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no" ?>
<table name="Sequence" schema="Sequence" >
  <table name="Sequence" schema="Sequence" >
    <field name="date_created" format="dd-mm-yyyy" >0
    <field name="sequence" description="description of the complete sequence" >
      <table name="Sequence" schema="Sequence" >
        <field name="sequence" length="36170" </field>
        <field name="sequence_name" >AC002929</field>
        <field name="variable" >2</field>
      </table>
    </table>
    <table name="Feature" >
      <field name="feature" length="10" </field>
      <field name="feature_description" >basecount</field>
      <field name="feature_end" >0</field>
      <field name="feature_name" >basecount</field>
      <table name="Data_creation" format="dd-mm-yyyy" >
        <table name="FeatureType" >
          <field name="feature_sub_type" >basecount</field>
        </table>
        <table name="Qualifier" >
          <field name="qualifier_name" >sa</field>
          <field name="qualifier_value" >22844</field>
        </table>
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          <field name="qualifier_name" >sa</field>
          <field name="qualifier_value" >18278</field>
        </table>
        <table name="Qualifier" >
          <field name="qualifier_name" >q</field>
          <field name="qualifier_value" >18909</field>
        </table>
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</table>
```

Fasta to XML

Organisms

Genbank to XML

Sage to XML

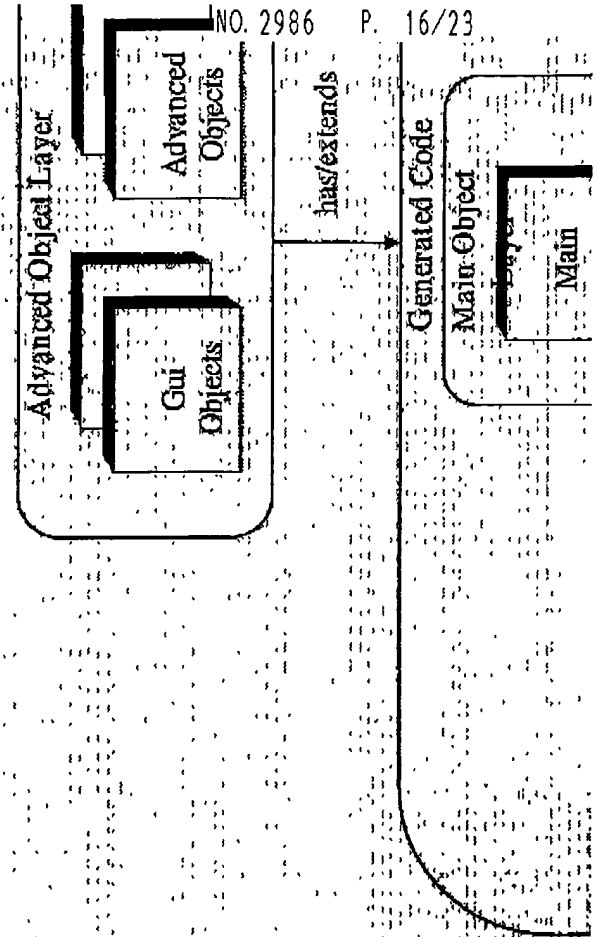
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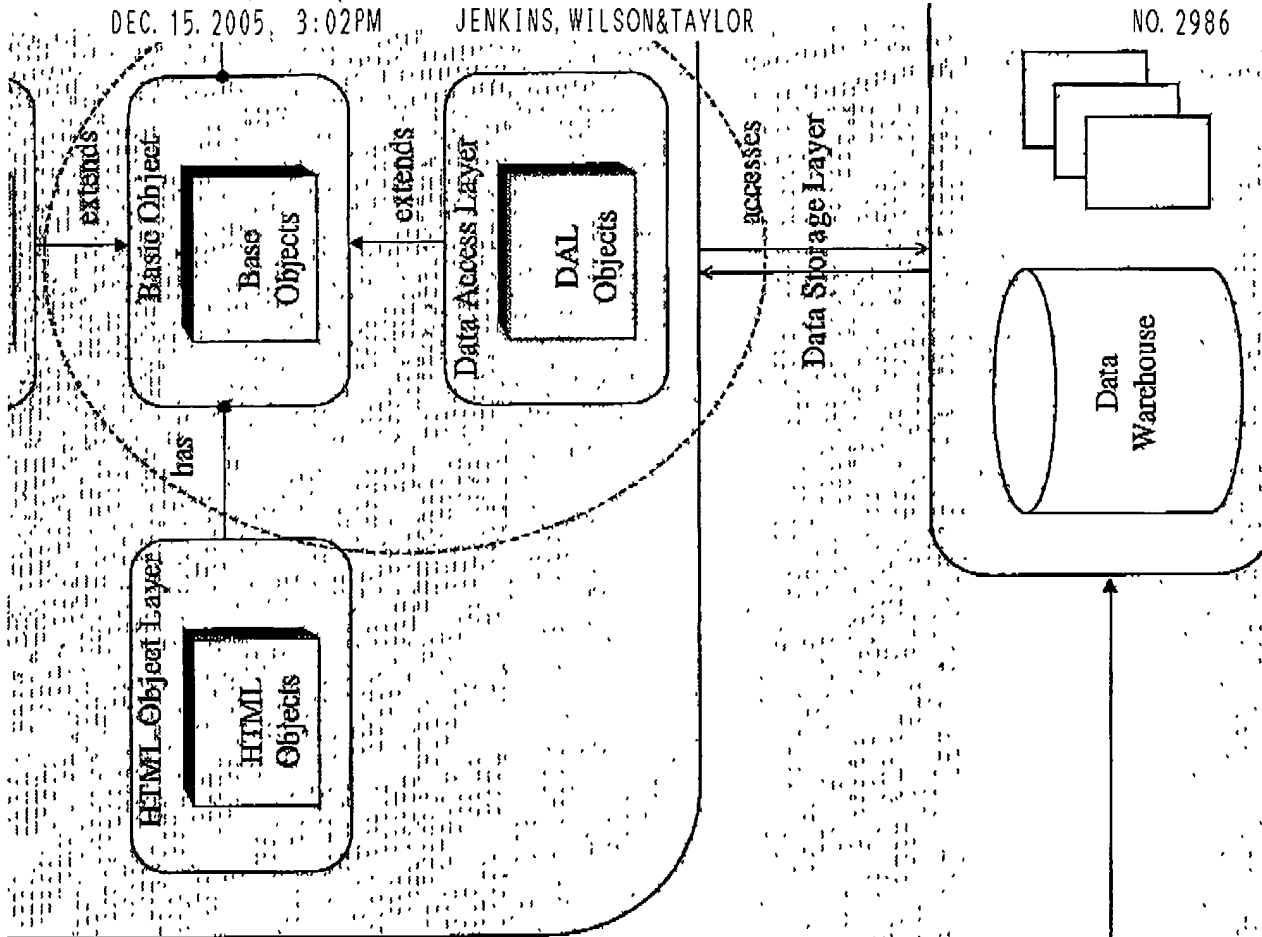
Data

125 74174-85 709F 852477-205
126 74175-86 709F 852478-206
127 74176-87 709F 852479-207
128 74177-88 709F 852480-208
129 74178-89 709F 852481-209
130 74179-90 709F 852482-210
131 74180-91 709F 852483-211
132 74181-92 709F 852484-212
133 74182-93 709F 852485-213
134 74183-94 709F 852486-214
135 74184-95 709F 852487-215
136 74185-96 709F 852488-216
137 74186-97 709F 852489-217
138 74187-98 709F 852490-218
139 74188-99 709F 852491-219
140 74189-00 709F 852492-220
141 74190-01 709F 852493-221
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148 74197-08 709F 852500-228
149 74198-09 709F 852501-229
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154 74203-14 709F 852506-234
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249 74298-09 709F 852601-329
250 74299-10 709F 852602-330
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252 74301-12 709F 852604-332
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254 74303-14 709F 852606-334
255 74304-15 709F 852607-335
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COINTEGRATION





Code Generation

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88_C14.g.2a.Syba matchElaSuaDeLoQual phosp 508 149 000817-
88_C14.g.2a.Syba matchElaSuaDeLoQual phosp 454 506 000817-

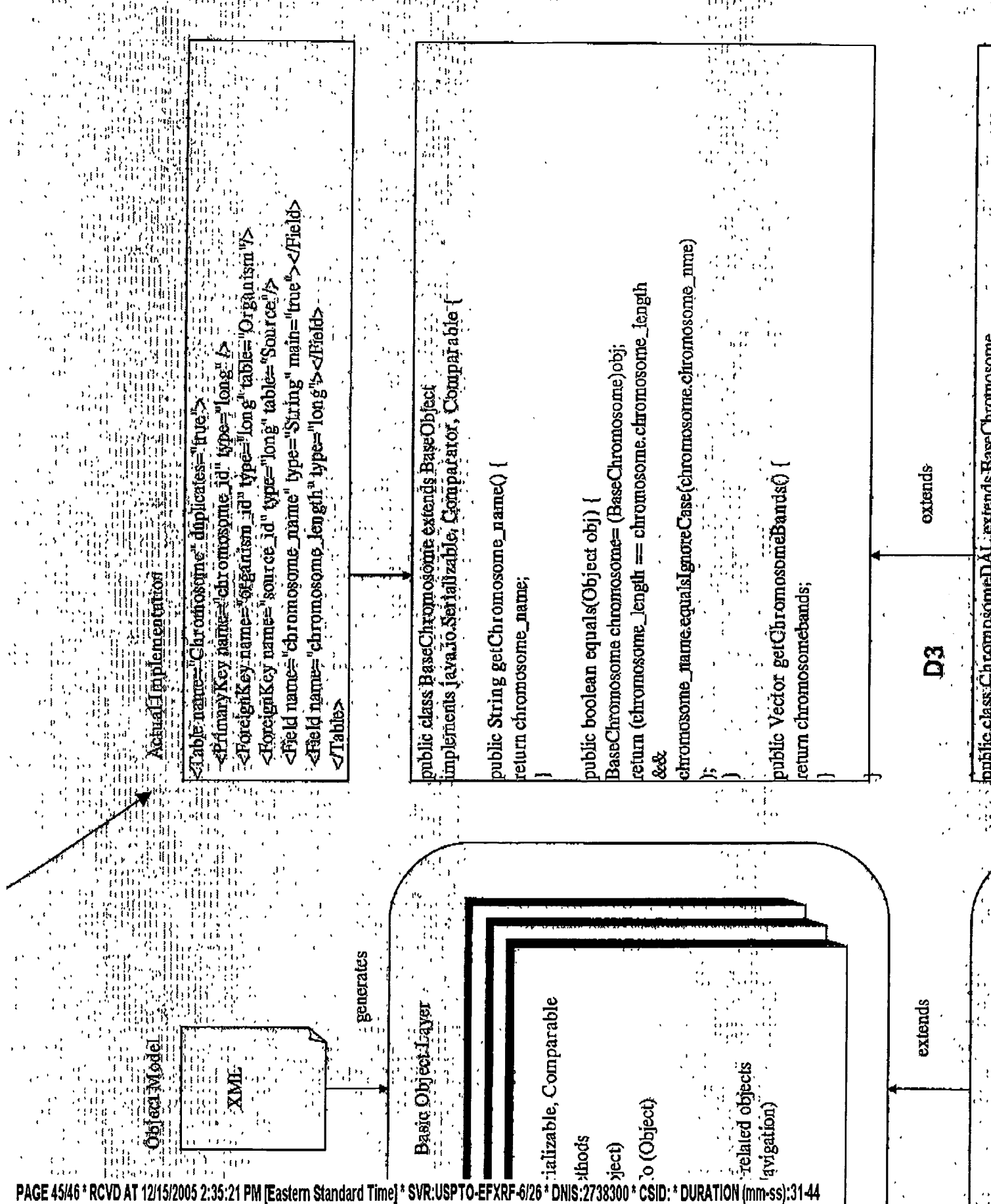
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Data Storage Layer

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public BaseObject findByPrimaryKey(QueryBroker broker) {
    String sql = "select * from Chromosome where chromosome_id=" + chromosome_id;
    BaseObject result = null;
    ResultSet r = broker.doQuery(sql);
    if (r==null) return null;
    try {
        if (r.next()) {
            result = getFromResultSet(r);
        }
        r.close();
    } catch (SQLException x) { x.printStackTrace(); }
    return result;
}

public void loadChromosomeBands(QueryBroker broker) {
    String sql = "select ChromosomeBand.chromosome_band_id,
    ChromosomeBand.chromosome_id, ChromosomeBand.left_position,
    ChromosomeBand.right_position, ChromosomeBand.band_name,
    ChromosomeBand.band_color"
    +" from ChromosomeBand"
    +" where ChromosomeBand.chromosome_id=" + chromosome_id;
    ChromosomeBandDAL temp = new ChromosomeBandDAL();
    Vector res = temp.search(broker, sql);
    setChromosomeBands(res);
}

public ForeignKey[] getForeignKeys() {
    ForeignKey[] foreignkeys = {
        new ForeignKey("organism_id", "Organism"),
        new ForeignKey("source_id", "Source")
    };
    return foreignkeys;
}

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